

FORM PTO-1449/A and B (modified PTO/SB/08)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 09/982,548		ATTY. DOCKET NO.: M0656.70070US00	
				FILING DATE: October 18, 2001		CONFIRMATION NO.: 7782	
				APPLICANT: Liu et al.			
				GROUP ART UNIT: 1623		EXAMINER: Traviss C. McIntosh III	
Sheet	1	of	4				

**U.S. PATENT DOCUMENTS**

Examiner's Initials <sup>#</sup>	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		6,869,789		Liu et al.	03-22-2005
		6,962,699		Pojasek et al.	11-08-2005
		7,056,504	B1	Sasisekharan et al.	06-06-2006
		7,083,937	B2	Sasisekharan et al.	08-01-2006
		7,105,334	B2	Pojasek et al.	09-12-2006
		7,110,889	B2	Venkataraman et al.	09-19-2006
		7,117,100	B2	Venkataraman et al.	10-03-2006
		7,129,335	B2	Pojasek et al.	10-31-2006
		7,139,666	B2	Venkataraman	11-21-2006
		7,247,445	A1	Sasisekharan et al.	07-24-2007
		7,270,815	A1	Sasisekharan et al.	09-18-2007
		7,390,633	B2	Liu et al.	06-24-2008
		7,396,824	B2	Sasisekharan et al.	07-08-2008
		7,399,604	B2	Sasisekharan et al.	07-15-2008
		7,412,332	B1	Venkataraman et al.	08-12-2008
		7,429,474	B2	Sasisekharan et al.	09-30-2008
		7,455,986	B2	Liu et al.	11-25-2008
		7,504,247	B2	Sasisekharan et al.	03-17-2009
		7,507,570	B2	Prabhakar et al.	03-24-2009
		7,508,206	B2	Sasisekharan et al.	03-24-2009
		7,553,950	B2	Prabhakar et al.	06-30-2009
		7,560,106	B2	Sasisekharan et al.	07-14-2009
		7,585,642	B2	Sasisekharan et al.	09-08-2009
		2002-0122793	A1	Liu et al.	09-05-2002
		2002-0128225	A1	Liu et al.	09-12-2002
		2002-0169143	A1	Sasisekharan et al.	11-14-2002
		2003-0008820	A1	Kwan et al.	01-09-2003
		2003-0099628	A1	Liu et al.	05-29-2003
		2003-0191587	A1	Venkataraman et al.	10-09-2003
		2004-0091471	A1	Myette et al.	05-13-2004
		2004-0091472	A1	Pojasek et al.	05-13-2004
		2004-0092037	A1	Sasisekharan et al.	05-13-2004
		2004-0197933	A1	Venkataraman et al.	10-07-2004

EXAMINER:	DATE CONSIDERED:
-----------	------------------

<sup>#</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449/A and B (modified PTO/SB/08)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 09/982,548		ATTY. DOCKET NO.: M0656.70070US00	
				FILING DATE: October 18, 2001		CONFIRMATION NO.: 7782	
				APPLICANT: Liu et al.			
				GROUP ART UNIT: 1623		EXAMINER: Traviss C. McIntosh III	
Sheet	2	of	4				

		2004-0204869	A1	Venkataraman et al.	10-14-2004
		2005-0037376	A1	Sasisekharan et al.	02-17-2005
		2005-0214276	A9	Myette et al.	09-29-2005
		2005-0227320	A1	Pojasek et al.	10-13-2005
		2005-0233402	A1	Liu et al.	10-20-2005
		2005-0233419	A1	Pojasek et al.	10-20-2005
		2006-0024664	A1	Sasisekharan et al.	02-02-2006
		2006-0057638	A1	Bosques et al.	03-16-2006
		2006-0067927	A1	Chandrasekaran et al.	03-30-2006
		2006-0067928	A1	Liu et al.	03-30-2006
		2006-0078959	A1	Prabhakar et al.	04-13-2006
		2006-0083711	A1	Berry et al.	04-20-2006
		2006-0105430	A1	Sasisekharan et al.	05-18-2006
		2006-0127950	A1	Bosques et al.	06-15-2006
		2006-0154894	A1	Berry et al.	07-13-2006
		2006-0177885	A1	Myette et al.	08-10-2006
		2006-0177910	A1	Myette et al.	08-10-2006
		2006-0177911	A1	Myette et al.	08-10-2006
		2006-0182734	A1	Liu et al.	08-17-2006
		2006-0183713	A1	Liu et al.	08-17-2006
		2006-0183891	A1	Myette et al.	08-17-2006
		2006-0292130	A1	Sasisekharan et al.	12-28-2006
		2006-0292655	A1	Sasisekharan et al.	12-28-2006
		2006-0292673	A1	Sasisekharan et al.	12-28-2006
		2007-0004012	A1	Sasisekharan et al.	01-04-2007
		2007-0020243	A1	Sengupta et al.	01-25-2007
		2007-0065424	A1	Pojasek et al.	03-22-2007
		2007-0065921	A1	Sasisekharan et al.	03-22-2007
		2007-0066769	A1	Venkataraman et al.	03-22-2007
		2007-0148157	A1	Prabhakar et al.	06-28-2007
		2007-0148158	A1	Sasisekharan et al.	06-28-2007
		2007-0148740	A1	Prabhakar et al.	06-28-2007
		2007-0161073	A1	Sasisekharan et al.	07-12-2007
		2007-0202563	A1	Prabhakar et al.	08-30-2007
		2007-0224670	A1	Prabhakar et al.	09-27-2007
		2008-0071148	A1	Bosques et al.	03-20-2008

EXAMINER:	DATE CONSIDERED:
-----------	------------------

<sup>8</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449/A and B (modified PTO/SB/08)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 09/982,548		ATTY. DOCKET NO.: M0656.70070US00	
				FILING DATE: October 18, 2001		CONFIRMATION NO.: 7782	
				APPLICANT: Liu et al.			
				GROUP ART UNIT: 1623		EXAMINER: Travis C. McIntosh III	
Sheet	3	of	4				

		2008-0278164	A1	Sasisekharan et al.	11-13-2008
		2008-0301178	A1	Venkataraman et al.	12-04-2008
		2009-0045811	A1	Sasisekharan et al.	02-19-2009
		2009-0081635	A1	Liu et al.	03-26-2009
		2009-0105463	A1	Berry et al.	04-23-2009
		2009-0119027	A1	Venkataraman et al.	05-07-2009
		2009-0156477	A1	Berry et al.	06-18-2009

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials <sup>a</sup>	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
		EP	0208623	A2	Sanofi SA	01-14-1987	N
		JP	62-018401	A	Sanofi SA	01-27-1987	N
		JP	08-511764	A2	Thomas Kennedy	02-03-1994	N
		JP	2000-511189	A1	Massachusetts Institute of Technology	11-27-1997	N
		JP	2001-526634			12-18-2001	N
		WO	95/21198	A2	Thomas Kennedy et al.	08-10-1995	
		WO	01/66772	A2	Massachusetts Institute of Technology	09-13-2001	
		WO	02/23190	A2	Massachusetts Institute of Technology	03-21-2002	
		WO	02/32406	A2	Massachusetts Institute of Technology	04-25-2002	
		WO	02/077199	A2	Massachusetts Institute of Technology	10-03-2002	
		WO	2003/102160	A3	Massachusetts Institute of Technology	12-11-2003	
		WO	2004/055491	A2	Massachusetts Institute of Technology	07-01-2004	
		WO	2004/062592	A2	Massachusetts Institute of Technology	07-29-2004	
		WO	2004/069152	A2	Massachusetts Institute of Technology	08-19-2004	
		WO	2005/087920	A2	Massachusetts Institute of Technology	09-22-2005	
		WO	2005/110438	A2	Massachusetts Institute of Technology	11-24-2005	
		WO	2005/111627	A2	Massachusetts Institute of Technology	11-24-2005	
		WO	2006/076627	A2	Massachusetts Institute of Technology	07-20-2006	
		WO	2006/083328	A2	Massachusetts Institute of Technology	08-10-2006	
		WO	2006/088491	A2	Massachusetts Institute of Technology	08-24-2006	
		WO	2006/105313	A2	Massachusetts Institute of Technology	10-05-2006	
		WO	2006/105315	A2	Massachusetts Institute of Technology	10-05-2006	
		WO	2007/044471	A2	Massachusetts Institute of Technology	04-19-2007	
		WO	2007/120478	A2	Massachusetts Institute of Technology	10-25-2007	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

<sup>a</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449/A and B (modified PTO/SB/08)				APPLICATION NO.: 09/982,548	ATTY. DOCKET NO.: M0656.70070US00
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				FILING DATE: October 18, 2001	CONFIRMATION NO.: 7782
				APPLICANT: Liu et al.	
				GROUP ART UNIT: 1623	EXAMINER: Traviss C. McIntosh III
Sheet	4	of	4		

**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials <sup>a</sup>	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		BASTEN et al., In vitro evaluation of synthetic heparin-like conjugates comprising different thrombin binding domains. Bioorg Med Chem Lett. 1998 May 19;8(10):1201-6. Abstract Only.	
		BAUER et al., Pharmazeutische Technologie, 3 <sup>rd</sup> Ed. 1991:251-2. German language reference.	N
		BEALES et al., The effect of a heparin analogue, ITF-5005, on diabetes incidence and insulinitis in the non-obese diabetic mouse. Diabetes Res Clin Pract. 1993 Jul;21(1):5-9. Abstract Only.	
		BELFORD et al., Ability of different chemically modified heparins to potentiate the biological activity of heparin-binding growth factor 1: lack of correlation with growth factor binding. Biochemistry. 1992 Jul 21;31(28):6498-503.	
		BEN-JEBRIA et al., Large porous particles for sustained protection from carbacol-induced bronchoconstriction in guinea pigs. Pharm Res. 1999 Apr;16(4):555-61.	
		CASU et al., Heparin-like compounds prepared by chemical modification of capsular polysaccharide from E. coli K5. Carbohydr Res. 1994 Oct 17;263(2):271-84. Abstract Only.	
		DESAI et al., Structure elucidation of a novel acidic tetrasaccharide and hexasaccharide derived from a chemically modified heparin. Carbohydr Res. 1993 Mar 17;241:249-59.	
		GONZALEZ, Low-molecular-weight heparins for acute coronary syndromes: an emergency medicine perspective. Pharmacotherapy. 1999 Sep;19(9 Pt 2):155S-160S. Abstract Only.	
		HUNNIUS, Pharmazeutisches Wörterbuch, de Gruyter Verlag, 7 <sup>th</sup> Ed., 1994:26-7. German language reference.	N
		KIBBE et al., Handbook of Pharmaceutical Excipients. American Pharmaceutical Association. Washington, D.C. 2000:102-9, 522-7.	
		PETITOU et al., New synthetic heparin mimetics able to inhibit thrombin and factor Xa. Bioorg Med Chem Lett. 1999 Apr 19;9(8):1155-60. Abstract Only.	
		RUIZ-CALERO et al., Use of reversed polarity and a pressure gradient in the analysis of disaccharide composition of heparin by capillary electrophoresis. J Chromatogr A. 1998 Dec 18;828(1-2):497-508. Abstract only.	
		TORNGREN et al., Conventional heparin and semisynthetic heparin analogue (SSHA) alteration of blood coagulation after embolic occlusion of human renal circulation. Thromb Res. 1990 Jul 15;59(2):237-46. Abstract Only.	
		WANG et al., Inhalation of estradiol for sustained systemic delivery. J Aerosol Med. 1999 Spring;12(1):27-36.	

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]

EXAMINER:	DATE CONSIDERED:
-----------	------------------

<sup>a</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.